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**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Brian S. HILTON et al.

Group Art Unit: 2861

Application No.: 10/629,606

Examiner: L. NGUYEN

Filed: July 30, 2003

Docket No.: 115849

For: DEVICES FOR DISSIPATING HEAT IN A FLUID EJECTOR HEAD AND  
METHODS FOR MAKING SUCH DEVICES

**REQUEST FOR RECONSIDERATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the May 12, 2006 Office Action, reconsideration of the application is respectfully requested in light of the following remarks.

Claims 1-19 are pending in this application. The Office Action again fails to mention claims 14-19, which are still pending in this application, and merely withdrawn from consideration as drawn to a non-elected invention. In a Request for Reconsideration, filed on October 11, 2005, Applicants argued "non-elected method (process) claim 14 includes all of the limitations of claim 1. As such, under MPEP §821.04, claims 14-19 must be rejoined and allowed when claim 1 is allowed." Applicants maintained this position in a February 17, 2006 Request for Reconsideration responding to a previous Office Action, and continue to maintain this position in this response as well. This argument was not addressed in the previous Office Action, nor is it addressed in the current Office Action.

Applicants again respectfully request rejoinder and allowance of claims 14-19, or in any next communication to issue from the Patent Office regarding this application, Applicants respectfully request that the above argument regarding rejoinder and allowance the claims be specifically addressed.

The Office Action, on page 3, again indicates that claims 2, 12 and 13 recite allowable subject matter. Specifically, the Office Action indicates that claims 2, 12 and 13 would be allowable if rewritten in independent form including all of the features of the base claim and any intervening claims. Applicants appreciate this indication of allowability but respectfully submit that at least independent claim 1, from which these claims directly or indirectly depend, is allowable for at least the reasons indicated below.

The Office Action, on page 2, rejects claims 1 and 8 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent Application Publication No. US 2002/0033861 A1 to Boyd et al. (hereinafter "Boyd"). The Office Action, on page 3, rejects claims 3-7 and 9-12 under 35 U.S.C. §103(a) as being unpatentable over Boyd. Applicants understand this rejection to be directed to claims 3-7 and 9-11. These rejections are respectfully traversed.

Boyd teaches a multilayered ceramic substrate serving as an ink manifold and electrical connection platform for multiple printhead dies (Abstract). The Office Action, on page 2, alleges that Boyd teaches a manifold that is molded from a polymer. This analysis fails for the following reasons.

The Office Action asserts, with reference to paragraph [0051] of Boyd, that Boyd teaches ceramic and metallization materials cosintered at approximately 1600° C, creating a monolithic structure having a three-dimensional wiring system and internal ink manifold. While this recitation fairly accurately discloses what the invention in Boyd is directed to, this disclosure is not germane to the subject matter of the pending claims. Specifically, there is no

teaching, nor can there reasonably be considered to have been a suggestion, based on the invention disclosed in Boyd to anticipate, or render unpatentable, a feature of a manifold that is molded from a polymer that includes at least one thermally conductive filler material.

Claim 1 recites, among other features, a manifold that is molded from a polymer that includes at least one thermally conductive filler material. Applicants have argued throughout prosecution that previously applied prior art references did not teach, nor could they reasonably be considered to have suggested, a feature that the manifold is molded from a polymer that includes at least one thermally conductive filler material. This Office Action, as did the previous Office Action, ignores the positively recited claim feature that the manifold is molded from a polymer with specifically recited additional structural features. As Applicants argued before, attempting to read this positively recited claim feature out of the claim, or construing the claim in such a manner as to vitiate this positively recited claim feature, is improper. The claims must be read in light of the positively recited claim feature a manifold that is molded from a polymer that includes at least one thermally conductive filler material.

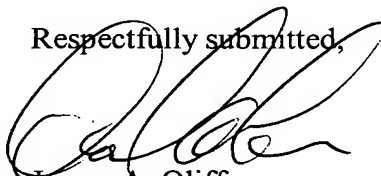
For at least the above reason, Boyd does not disclose, nor can it reasonably be considered to have suggested, the combination of all of the features recited in at least independent claim 1. Additionally, claims 3-11 are also neither taught, nor would they have been suggested, by Boyd for at least the respective dependence of these claims directly or indirectly on independent claim 1, as well as for the separately patentable subject matter that each of these claims recites.

Accordingly, reconsideration and withdrawal of the rejections of claims 1 and 3-11 under 35 U.S.C. §§102(b) and 103(a) as being anticipated by, or unpatentable over, Boyd are respectfully requested.

In view of the foregoing, Applicants respectfully submit that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1, 3-11 and 14-19, in addition to the indicated allowable subject matter of claims 2, 12 and 13, are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number set forth below.

Respectfully submitted,



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Date: June 22, 2006

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